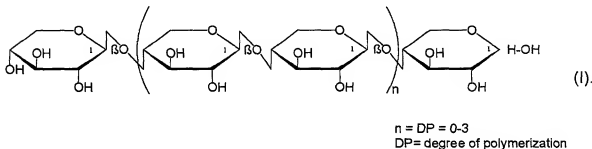


What is claimed is:

1. A beverage which comprises at least one xylooligosaccharide and at least one intense sweetener.

2. The beverage as claimed in claim 1, wherein the xylooligosaccharide is a compound of the formula I



3. The beverage as claimed in claim 1, wherein the xylooligosaccharide has a degree of polymerization of DP = 1 to 10.
4. The beverage as claimed in claim 1, wherein the beverage comprises 0.01 to 5% by weight (based on the beverage) of xylooligosaccharide.
5. The beverage as claimed in claim 1, wherein the intense sweetener is selected from the group consisting of: acesulfame, alitame, aspartame, cyclamate, neohesperidin dihydrochalcone, neotame, saccharin, sucralose, thaumatin, water-soluble sodium salts, potassium salts, calcium salts of these intense sweeteners and mixtures of two or more members of this group.
6. The beverage as claimed in claim 1, based on water, milk or fermented milk, flavorings, essences, extracts of fruits or fruit juices, or extracts of malt or other carbohydrate-containing raw materials.

7. The beverage as claimed in claim 1, wherein it also comprises sugar (sucrose), glucose and/or fructose in solid or syrup form.
8. The beverage as claimed in claim 5, wherein the intense sweetener is a mixture of Acesulfame-K (= potassium salt of acesulfame) and aspartame.
9. The beverage as claimed in claim 1, wherein it contains carbon dioxide.
10. A process for producing a beverage as claimed in claim 1, which comprises adding to a beverage at least one xylooligosaccharide and at least one intense sweetener.
11. A method for producing beverages by using xylooligosaccharides as an intense sweetener.